

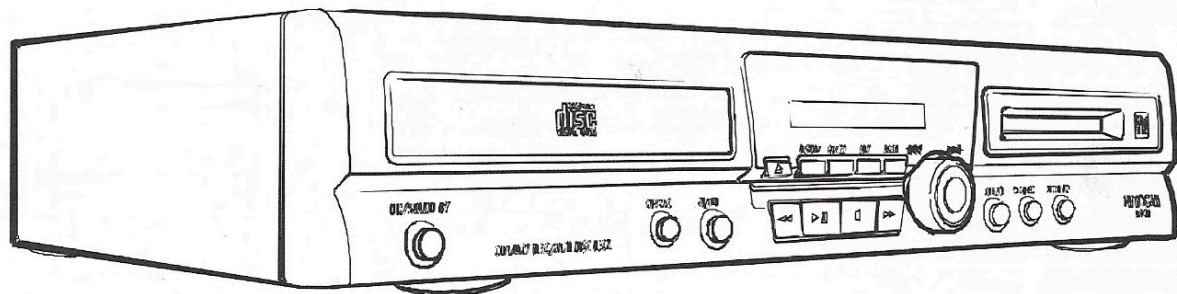
HITACHI

Minidisc Recorder/Compact Disc Component Hifi

RMD 100



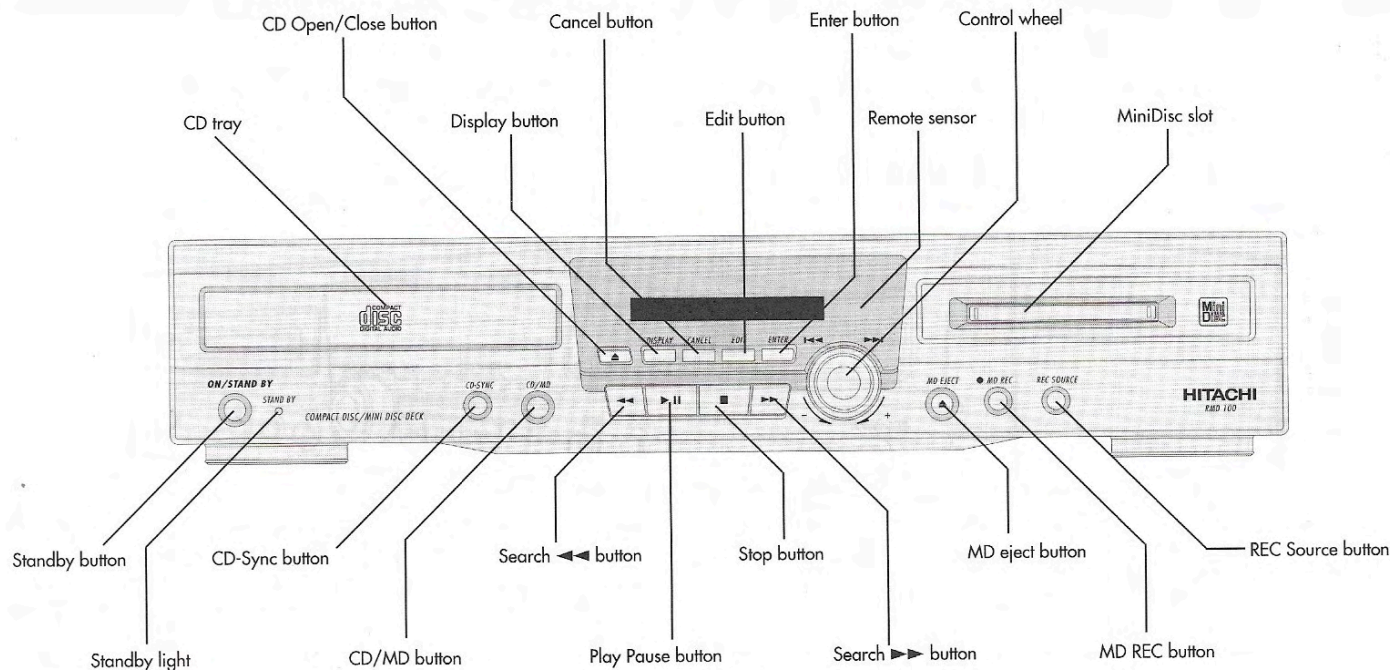
COMPACT
disc
DIGITAL AUDIO



Before operating, please read all these instructions thoroughly.

Get to know your MiniDisc/CD unit

The controls on the front of your unit duplicate some of the functions controlled by the remote control. Certain functions can only be operated from the unit itself, for example, ejecting the CD tray or ejecting a MiniDisc.



Safety first !



Interference - Do not place your MiniDisc/CD unit on or near appliances which may cause electromagnetic interference (TV or Hi-Fi speakers). If you do, it may adversely affect the working of the unit, causing the sound to distort.



Never use your MiniDisc/CD unit if it is damaged in any way. Always place your MiniDisc/CD unit on a flat level surface avoiding anywhere which may be subject to strong vibration.



Do not remove any fixed covers as this may expose dangerous voltages.



Do not allow young children to play with your MiniDisc/CD unit.



Temperature - Avoid extremes of temperature, either hot or cold, place your MiniDisc/CD unit well away from heat sources such as radiators or gas/electric fires.



Ventilation - The ventilation holes at the bottom of your MiniDisc/CD unit prevent it from over heating. Do not block or cover these holes by standing it on a carpet etc.



CAUTION - Your MiniDisc/CD unit incorporates a laser. If you use the controls, make adjustments, alter performance, or use the product differently from the procedures given in this instruction book you may be exposed to hazardous radiation. Do not open any covers and do not repair yourself. Repair work must be carried out by qualified personnel.



Moisture - Do not allow your MiniDisc/CD unit to be exposed to rain, moisture, dust. If any liquid is spilt into your MiniDisc/CD unit it can cause serious damage. If you spill any liquid into your MiniDisc/CD unit switch it off at the mains immediately. Contact your store immediately.



Your MiniDisc/CD unit is supplied with an approved **13amp** fused mains plug. When replacing the fuse always use a **3amp** (BS 1362) approved type.

To obtain a replacement fuse contact your store.

Never use this plug if the fuse cover is missing. To obtain a replacement fuse cover contact your store.

If the mains sockets in your home differ or are not suitable for the type of plug supplied, then the plug should be removed from the mains lead and a suitable type fitted.

If any other type of plug is used a **3 amp** fuse must be fitted, either in the plug, adaptor or at the distribution board.

Please refer to the wiring instructions at the back of this book.

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How to insert batteries into the remote control

Your **remote control** duplicates some of the controls on your MiniDisc/CD unit.

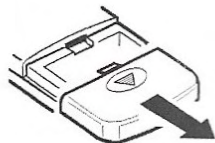
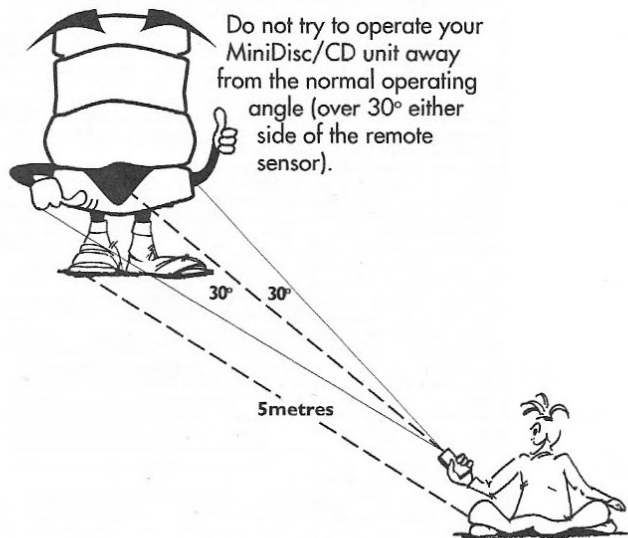


Remote control operation may become erratic if:-

Direct sunlight, fluorescent lamps, standard household lamps (incandescent) or any other strong light source shines on the remote sensor.

When there is an obstacle between your MiniDisc/CD unit and the remote control.

Do not try to operate your MiniDisc/CD unit from a distance greater than 5 metres.



Use two AAA / MN2400 / R03 1.5V size batteries for the remote control.

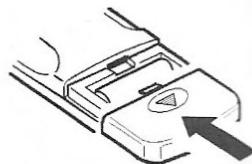
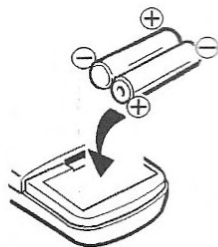
The batteries may last approximately one year depending on how much the remote control is used. For best results we recommend the use of alkaline batteries, these should be replaced on a yearly basis, or when remote control operation becomes erratic.

Observe correct polarity when inserting batteries.

Do not mix old and new batteries or different types.

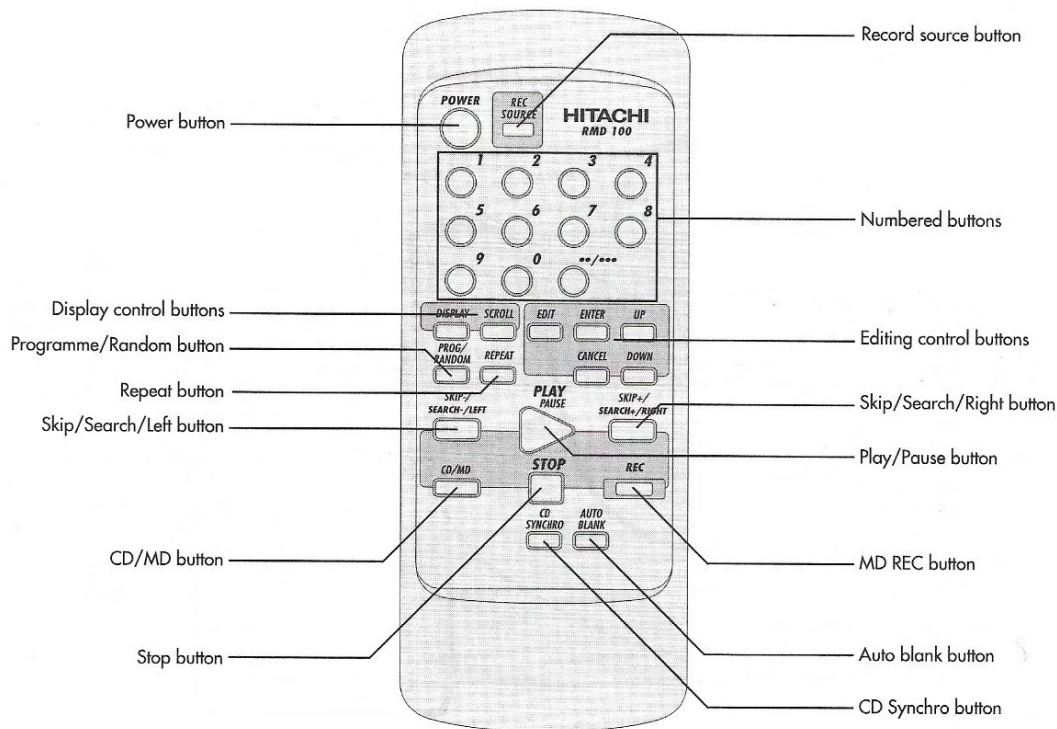
Weak batteries can leak and severely damage your remote control. Always remove batteries immediately they become weak, or if your MiniDisc/CD unit is not to be used for a long time.

Used batteries should never be discarded in a fire. Dispose of batteries safely.



Get to know your remote control

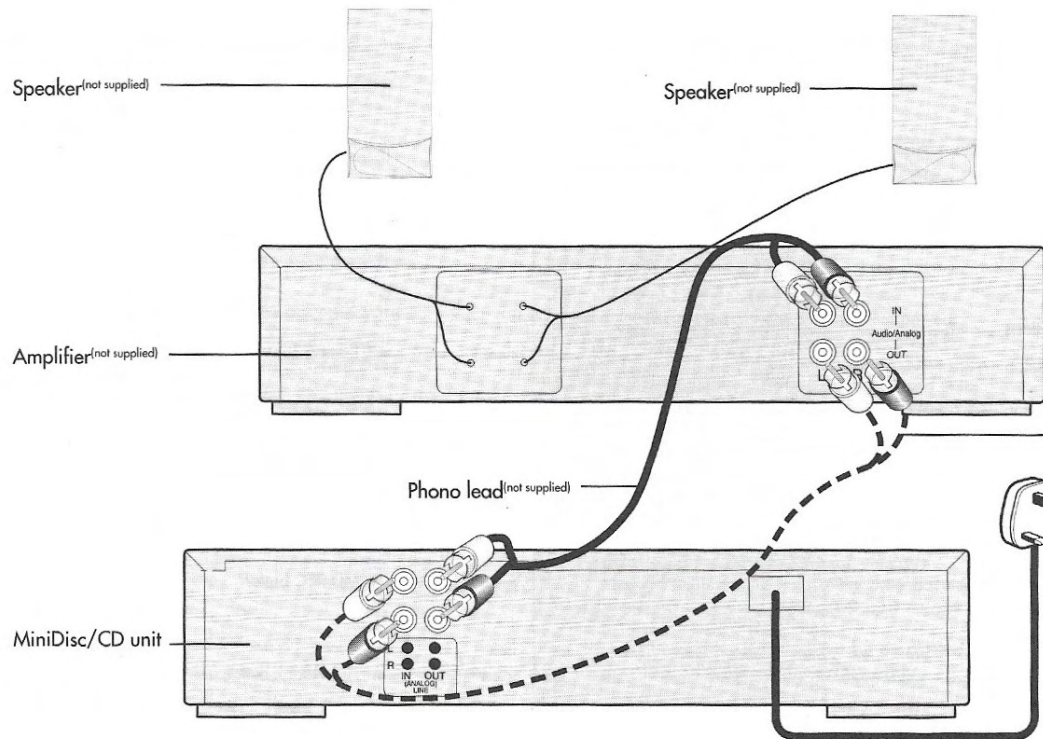
You can control most of the features from the remote control or the front of the unit. Certain functions can only be operated from the remote control, for example, random, repeat play and programming.



Connecting your MiniDisc/CD unit

You must connect your MiniDisc/CD unit to an amplifier and speakers to listen to a CD or MiniDisc.

The output of the MiniDisc/CD unit should be connected to a suitable input on the amplifier, such as aux in and should not be connected to the phono in.



Amplifiers can differ, consult your Hi-Fi Instruction Book for connection diagrams.

This connection is used if the MiniDisc/CD unit is the main recorder or if a connection is made to tape2 on the amplifier.

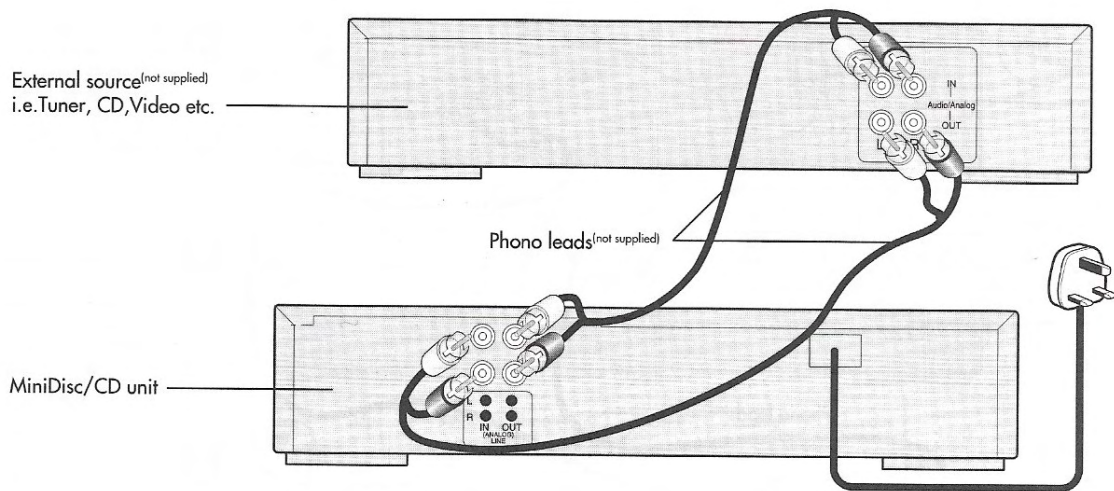


All connections must be made with both your MiniDisc/CD unit and Amplifier unplugged from the mains supply.

Connecting your MiniDisc/CD unit to an external source

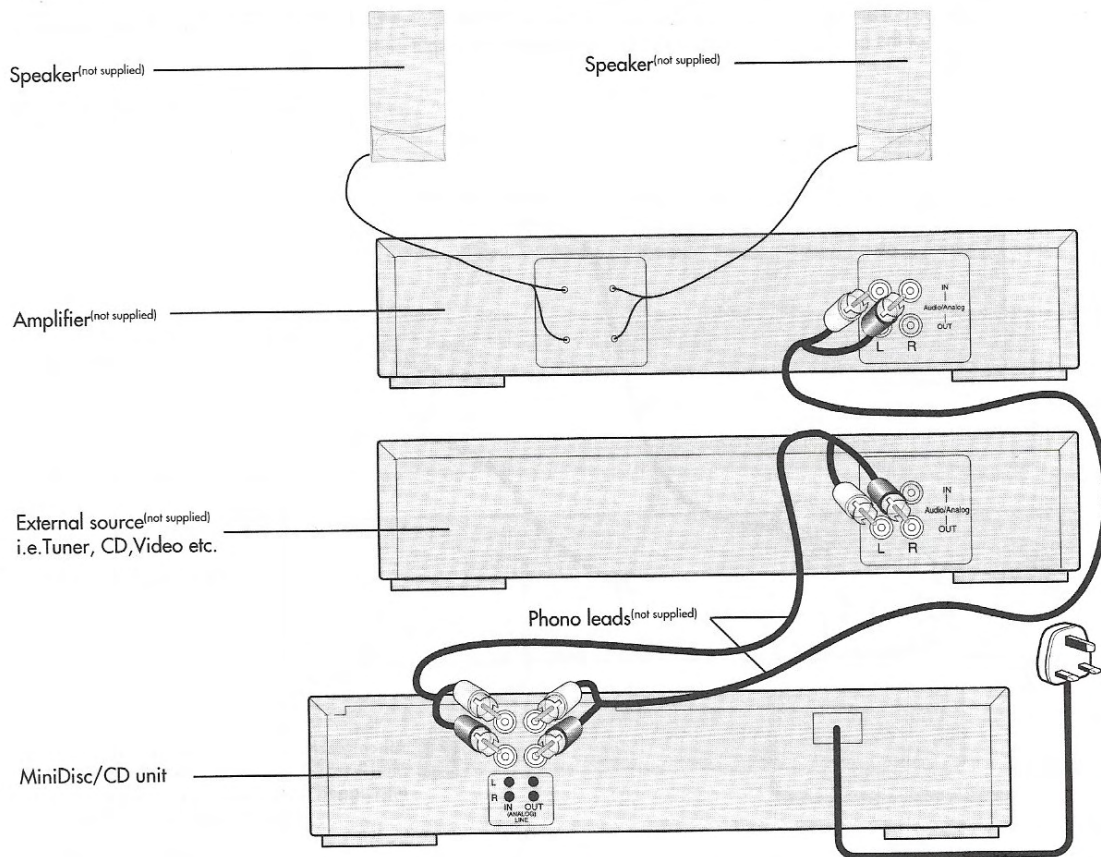
You can connect your Minidisc/CD unit to an external source. For example, a VCR ^(not supplied), you could then feed the audio from the VCR into your MiniDisc/CD unit.

The output of the external source should be connected to the input of the MiniDisc/CD unit and if appropriate the input of the external unit source should be connected to the output of the MiniDisc/CD unit.



All connections must be made with both your MiniDisc/CD unit and external source unplugged from the mains supply.

Connecting your MiniDisc/CD unit to an external source and amplifier



Amplifiers can differ, consult your Hi-fi Instruction Book for connection diagrams.



All external sources are different, consult these Instruction Books for connection diagrams.



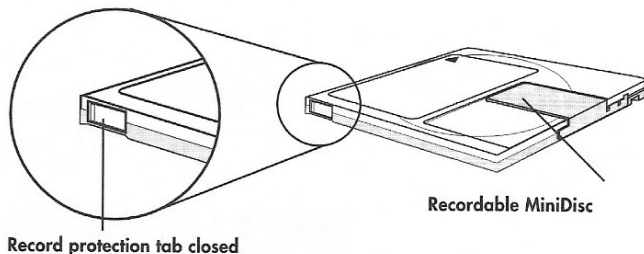
All connections must be made with your MiniDisc/CD unit, external source and Amplifier unplugged from the mains supply.

What is a MiniDisc?

There are two different types of MiniDisc:

RECORDABLE MINIDISC

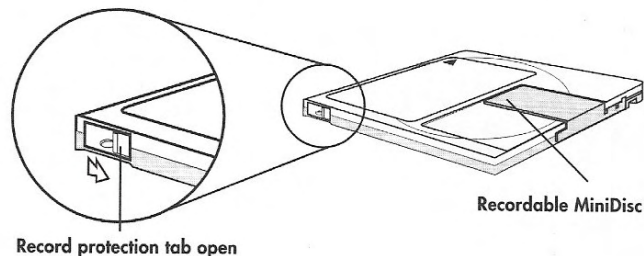
Recordable MiniDiscs are blank when you buy them and you will be able to record onto them. They are available in the same stores as pre-recorded MiniDiscs and also shops that sell audio accessories. If you require further information, please ask your dealer.



To record onto your MiniDisc slide the record protection tab closed. You will then be able to record onto MiniDisc and use the edit features on your unit.

PRE-RECORDED MINIDISC

Pre-recorded MiniDiscs are discs which have music already recorded onto them and are available in some stores which sell CDs and Music cassettes.



To protect your recordings slide the record protection tab open. This will prevent you from accidentally recording over or deleting any information on the MiniDisc. If you try to delete some of the information the word 'PROTECTED' will be displayed.

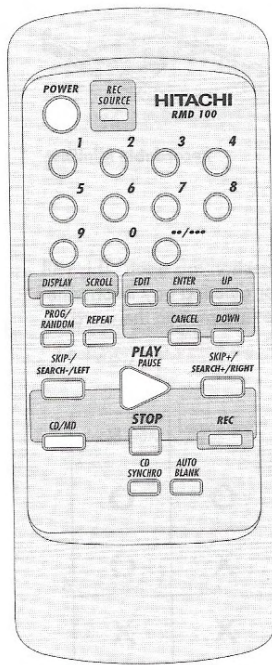
Table showing the features available compared to CD's and Audio Tapes

	Play	Pause	Skip	Search	Programme	Record	Editing	Undo edits	Repeat 1/All	Random playback	Programmed record	Auto blank
MiniDisc	○	○	○	○	○	○	○	○	○	○	○	○
CD	○	○	○	○	○	X	X	X	○	○	X	○
Tape	○	○	X	○	X	○	X	X	X	X	X	X

Always store your MiniDiscs away from heat sources.

Playing a CD

The CD player in your MiniDisc/CD unit will play CD's just like a normal CD player.



- 1 Press the ON/STANDBY button on the unit or POWER button on the remote control. The standby light will go off. The display will flash **READING TOC** (Table Of Contents) then **NO DISC**.

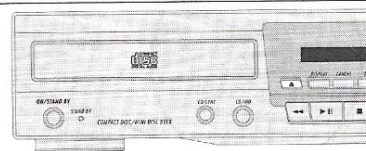
If the display does not show CD, press the CD/MD button until it does.

CD **Reading TOC**

CD **No Disc**

- 2 Press the OPEN/CLOSE button on the unit. The CD tray will open and **OPEN** appears in the display.

Gently place a CD in the CD tray with the printed side facing up.



CD **OPEN**

- 3 Press the OPEN/CLOSE button again to close the CD tray. **CLOSE** then **READING TOC** (Table Of Contents) will appear in the display.

After a couple of seconds the total number of tracks and the total length of the CD will appear.

CD **CLOSE**

CD **Reading TOC**

CD **13Tr 60:43**

- 4 Press the PLAY/PAUSE button. Track 1 and the elapsed time will show in the display and the CD will start to play.

CD **1 0:00**

- 5** Press the PLAY/PAUSE button to pause playback. Playback will pause and the PAUSE symbol appears in the display.

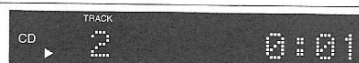
Press PLAY/PAUSE again to continue playback.



- 6** Turn the CONTROL WHEEL (on the front of the unit) left or right or press the SKIP + or - buttons on the remote control to change the track.

You can select track numbers 1-9 by pressing numbers 1-9 on the remote control. For track numbers over 10 press **/** first, then press the two digits in order from left to right (e.g. 1 then 0).

The new track will be shown in the display. Playback will continue.



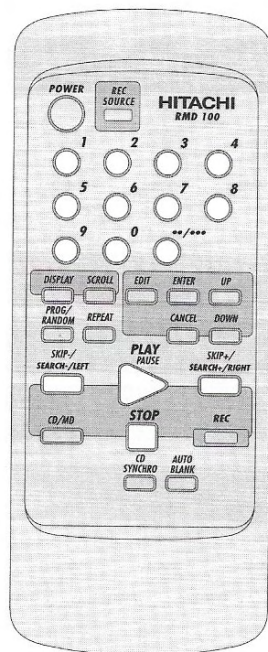
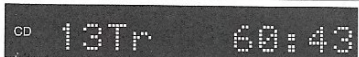
- 7** Press and hold the SEARCH + or - buttons on the front of the unit or on the remote control to audibly search through a track.

Release the button to continue normal playback.



- 8** Press the STOP button to stop playback.

Your CD will stop automatically when it reaches the end.



Playing a MiniDisc

A MiniDisc can be played like a CD. You can skip and search tracks, play and pause in the same way you would a CD.

- 1** Press the CD/MD button until MD appears in the display.
The display will show NO DISC.

MD NO DISC

- 2** Gently insert a MD in the MD slot.

Always insert the MD face up with the arrow pointing towards the MD slot.

When the MD is inserted about 3/4 of the way into the slot, the unit will take it from you.

MD LOADING

- 3** READING TOC (Table Of Contents) will appear in the display.

After a couple of seconds the MD title then total number of tracks and the total length of the MD will appear.

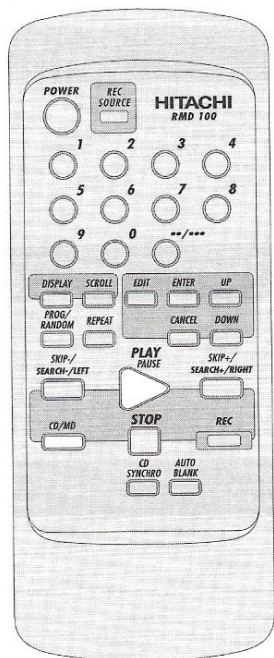
MD Reading TOC

MD MD Title

MD 13Tr 62:41

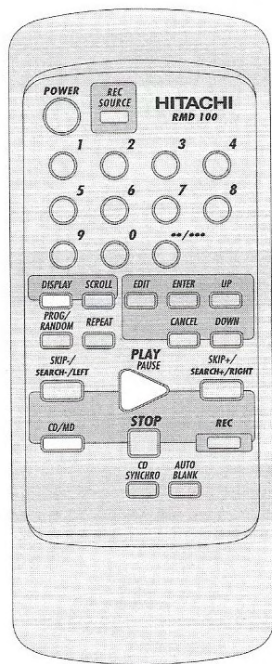
- 4** Press the PLAY/PAUSE button.
Playback will start, track 1 and the elapsed time will show in the display.

TRACK
MD ▶ 1 0:02



Changing the CD display

The display window can show information about the CD playing.



1 Load a CD as described on page 10.

Press the CD/MD button until CD is displayed.

Press the PLAY/PAUSE button.

Each time you press the DISPLAY button, the display information will change.

Default - Shows the current track playing and the elapsed time.



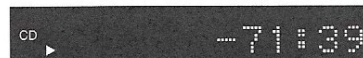
Press DISPLAY - Shows the current track and the time left on that track.

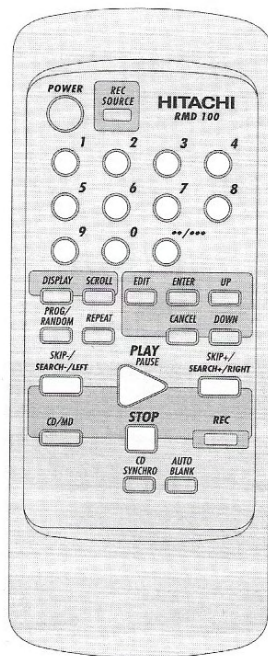


Press DISPLAY - Shows the total of the time played on the CD.



Press DISPLAY - Shows the total amount of time left to play on the CD.



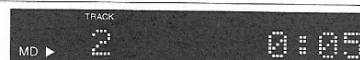


- 5** Press the PLAY/PAUSE button to pause playback. Playback will pause and the PAUSE symbol appears in the display.



Press PLAY/PAUSE again to continue playback.

- 6** Turn the CONTROL WHEEL (on the front of the unit) left or right or press the SKIP + or - buttons on the remote control to change the track.



You can select track numbers 1-9 by pressing numbers 1-9 on the remote control. For track numbers over 10 press ●●/●●● first, then press the two digits in order from left to right (e.g. 1 then 0).

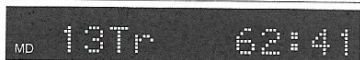
The new track will be shown in the display.

- 7** Press and hold the SEARCH + or - buttons on the front of the unit or on the remote control to audibly search through a track.



Release the button to continue normal playback.

- 8** Press the STOP button to stop playback. Your MD will stop automatically when it reaches the end.



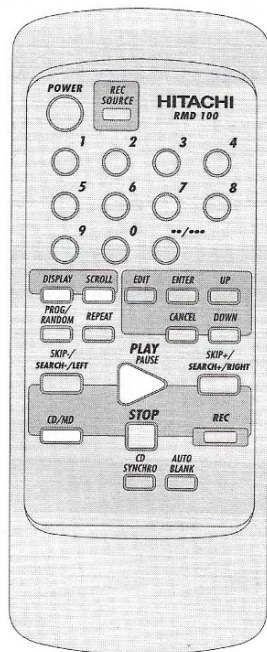
Changing the MD display

The display window can show lots of different information about the currently loaded MiniDisc.

- 1 Load a MD as described on page 12 but do NOT start playing it.

Press the CD/MD button until MD is displayed.

Each time you press the DISPLAY button the display information will change.



Default - Shows the total number of tracks and the total length of the MD.

Press DISPLAY - Shows the total amount of time left to record on the MD.

Press DISPLAY - Shows the title of the MD.



- 2 Press the PLAY/PAUSE button.
Each time you press the DISPLAY button the display information will change.

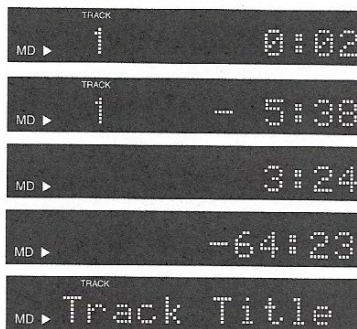
Default - Shows the current track playing and the elapsed time.

Press DISPLAY - Shows the current track and the time left on that track.

Press DISPLAY - Shows the total of the time played on the MD.

Press DISPLAY - Shows the total amount of time left to play on the MD.

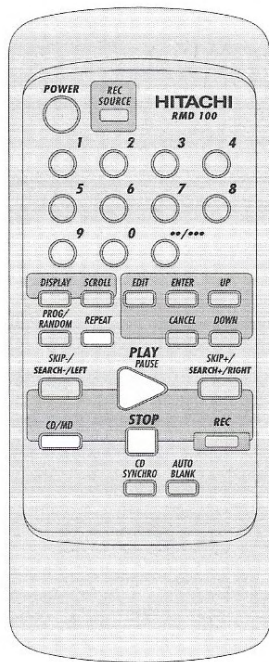
Press DISPLAY - Shows the title of the current track.



When displaying a title longer than 12 characters, press the SCROLL button and the full title will scroll across the display.

Repeating a single track or an entire CD or MD

The repeat function works on both CD's and MD's. You can repeat one single track or entire CD's or MD's.



- 1** Press the CD/MD button to select either the CD or MD player.

Insert a CD or MD as described on page 10 or 12.

Press the PLAY/PAUSE button.

Select the track you wish to play.



- 2** Press the REPEAT button until REPEAT 1 appears in the display.
The current track will play repeatedly.



- 3** Press the REPEAT button until REPEAT ALL appears in the display.
The entire CD or MD will play repeatedly.



- 4** Press the STOP button to stop.
Press the REPEAT button until REPEAT (1 or ALL) disappears from the display or eject the CD or MD.
This will cancel the REPEAT function.



Playing tracks from a CD or MD in a random order

The random function works on both CD's and MD's.

- 1** Press the CD/MD button to select either the CD or MD player.

Insert a CD or MD as described on page 10 or 12.

MD 13Tr 62:41

- 2** Press the PROG/RANDOM button on the remote control until RANDOM appears in the display.

RANDOM
MD 13Tr 62:41

- 3** Press the PLAY/PAUSE button to start random playback.
A track will be chosen and playback will begin.

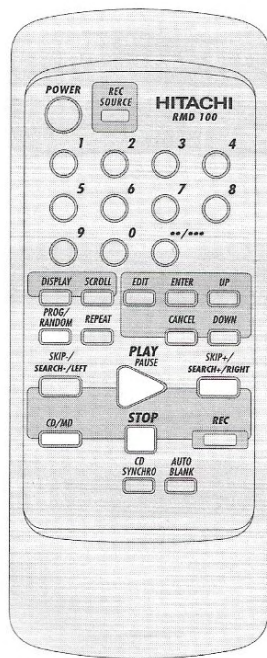
TRACK RANDOM
MD ▶ 11 0:12

Turn the CONTROL WHEEL right or press the SKIP + button on the remote control to select another random track.

- 4** Press the STOP button to stop random playback.

MD 13Tr 62:41

To cancel the random feature, press the PROG/RANDOM button until RANDOM disappears from the display.



Automatic recording from a CD to an MD

When recording from a CD to an MD using the CD-SYNC feature, all the CD track numbers will be recorded in the same order as they are on the CD.

- 1 Press the CD/MD button until CD shows in the display.

Load a CD as described on page 10.
READING TOC (Table Of Contents) then the total number of tracks and total time will be displayed.

CD 14Tr 74:03

- 2 Press the CD/MD button until MD shows in the display.

Load a BLANK MD as described on page 12.
READING TOC (Table Of Contents) then BLANK DISC will be displayed.

MD Reading TOC

MD Blank Disc

- 3 Press the CD SYNCHRO button.
The RECORD symbol will flash and the PAUSE symbol will also appear in the display.

The current track and the time left on the MiniDisc will be displayed.

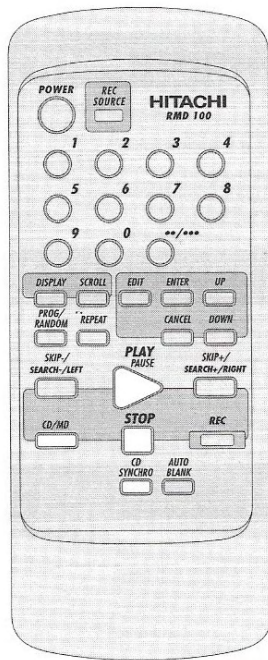
CD SYNCHRO
MD 1 -74:59

- 4 Press the PLAY/PAUSE button to start recording.
The CD will start playing and the MD will start recording automatically. The current track and time will be displayed.

Press the STOP button to stop recording.

Your recording will stop automatically when the end of the CD or MD is reached.

CD SYNCHRO
MD 1 0:01



Manual recording onto a MiniDisc

Using the manual record feature you can record from the built in CD player or any playback equipment (e.g. another CD player, a DVD player) connected via the LINE IN sockets (see page 7).

- 1 Press the CD/MD button until MD shows in the display.

Load a BLANK MD as described on page 12.

READING TOC (Table Of Contents) then BLANK DISC will be displayed.

MD Reading TOC

MD Blank Disc

- 2 Press the REC button.
The RECORD symbol will flash and the PAUSE symbol will also appear in the display. The current track and the time left on the MiniDisc will be displayed.

To record from external equipment press the REC SOURCE button until LINE REC is displayed.

See page 7-8 for information about connecting external equipment.

MD TRACK 1 -74:59

MD CD REC

MD LINE REC

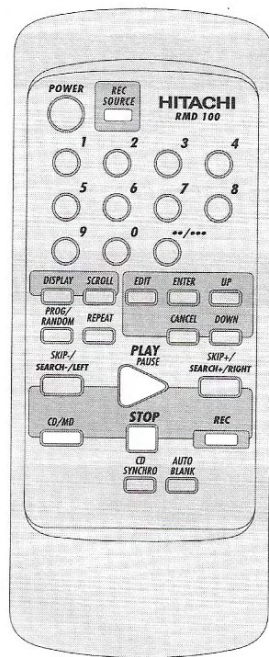
- 3 Press the PLAY/PAUSE button to start recording.
Press CD/MD to display CD and start playing a CD or start playing the external equipment connected via the LINE IN sockets.

MD TRACK 1 0:01

MD TRACK 1 0:03

- 4 Press the CD/MD button to display MD.
Press the STOP button to stop recording.
Stop the CD player or external equipment from playing.

MD TOC 14Tr 74:03

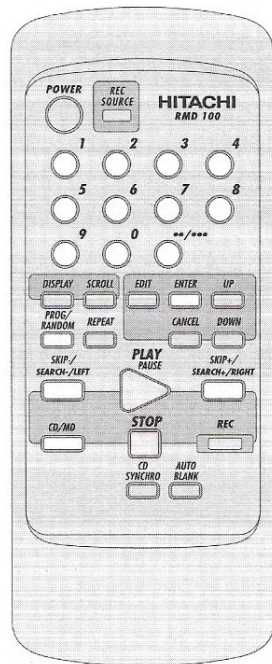


Programming selected tracks from a CD or MD

You can programme selected tracks from a CD or MD into memory and then play them back or record them to MD (see page 22).

- 1** Press the CD/MD button to select either the CD or MD player.

Insert a CD or MD as described on page 10 or 12.



- 2** Press the PROG/RANDOM button on the remote control until PROG appears in the display.



- 3** Turn the CONTROL WHEEL left or right or press the SKIP + or - buttons on the remote control to select the track you wish to programme.



You can select track numbers 1-9 by pressing numbers 1-9 on the remote control. For track numbers over 10 press **/... first, then press the two digits in order from left to right (e.g. 1 then 0).

The track number for STEP 1 will be displayed for 4 seconds.

- 4** Press the ENTER button to store the track.
The total number of tracks stored so far will be displayed under the word STEP. The time of the programmed tracks will be displayed.



If you enter the track number using the numbered buttons on the remote control you will not need to press the ENTER button to confirm your selection - it will be selected automatically.

- 5** Repeat stages 3-4 until you have programmed all the tracks you require.

A total of 19 tracks can be programmed.



- 6** Press the PLAY/PAUSE button to start playing your programmed selection.

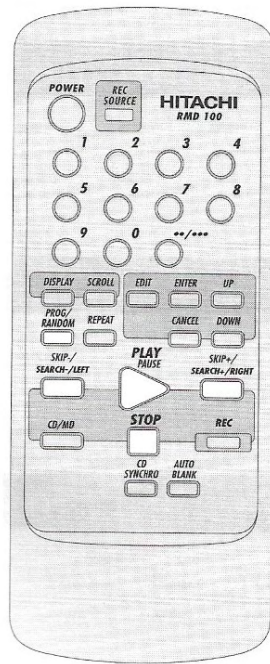
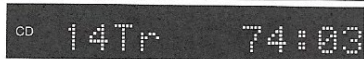
Turn the CONTROL WHEEL left or right or press the SKIP + or - buttons on the remote control to select another programmed track.



- 7** Press the STOP button to stop playback.



- 8** Press the PROG/RANDOM button until the word PROG disappears from the display to cancel the feature.



To delete a programmed track:

Press the STOP button, then select the track to be deleted with the SEARCH buttons on the front of the unit. When you have selected the track you want to delete press the CANCEL button on the front of the unit.

Recording a programmed selection of tracks from CD to MD

You can programme a selection of tracks from a CD and then record them onto MD using the CD-SYNC feature.

- 1** Follow the guidance on the previous two pages to programme the tracks you require on your CD.

Insert a blank MD as described on page 12.



- 2** Press the CD/MD button to select MD.



- 3** Press the CD SYNCHRO button.
The CD SYNC symbol and the RECORD and PAUSE symbols will be displayed.

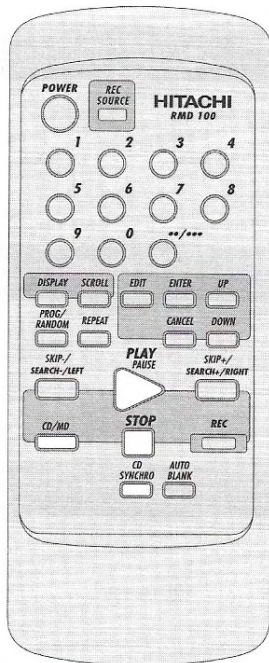


- 4** Press the PLAY/PAUSE button to start recording.
The CD will start playing automatically and the current track and time will be displayed.



Press the STOP button to stop recording.

Your recording will stop automatically when the end of the programmed selection or MD is reached.



Manual recording onto a MiniDisc using level sync

Level sync has a set audio level, when it is set to on the Minidisc/CD unit listens to the recording material. If the audio level drops below the set level for a few seconds a new track number will be inserted.

- 1** Follow stages 1 and 2 as on page 19 to the stage where LINE REC is displayed.

EDIT 1000
MD "LINE REC

- 2** Press the EDIT button. LEVEL SYNC? will be seen in the display.
Then press the ENTER button.

EDIT 1000
MD "Level Sync?

- 3** Turn the CONTROL WHEEL on the unit or UP or DOWN button on the remote control to change between SYNC ON and SYNC OFF.

EDIT 1000
MD "Sync OFF

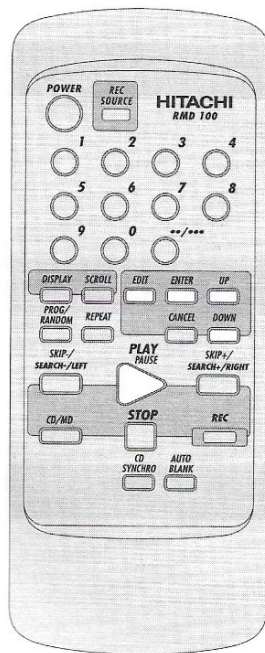
EDIT 1000
MD "Sync ON

Press the ENTER button to select SYNC ON or SYNC OFF.

EDIT 1000
MD "1 -74:59

- 4** Press PLAY on the external source.
Press the PLAY/PAUSE button on the MiniDisc/CD unit to begin recording.

EDIT 1000
MD "1 0:03



Naming an MD or a single MD track

You can name each MD and each track on an MD. The MD name will appear in the display when the MD is first inserted. You can not change track titles on Pre-recorded MD's.

- 1** Press the CD/MD button until MD appears in the display.

Insert an MD as described on page 12.

The display will flash **READING TOC** (Table Of Contents). If the MD has already been named then the title will appear.

This feature will **NOT** work with pre-recorded MD's or MD's on which the record protection tab is open (refer to page 9).

MD READING TOC

MD MD Title

- 2a** To name an MD press the EDIT button until NAME IN? is displayed then go to stage 3.

EDIT
MD Name in ?

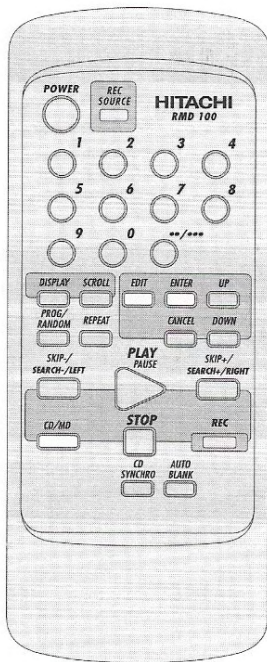
- 2b** To name a specific track on an MD turn the CONTROL WHEEL until the desired track number is displayed. (You can also name to a track in playback mode.)

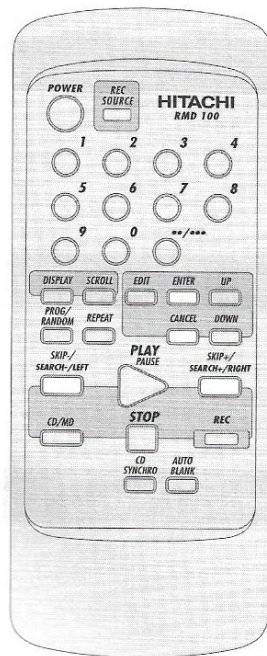
EDIT TRACK
MD 3 Name in ?

Press the EDIT button until the track number and NAME IN? are displayed.

- 3** Press the ENTER button.
A **----** symbol will flash in the display.

EDIT
MD -----





- 4** Turn the CONTROL WHEEL on the unit or press the UP or DOWN buttons on the remote control to select a letter. (After the alphabet a selection of numbers and symbols can be selected).

EDIT
MD R

- 5** Press the SEARCH + button to confirm the letter.

To enter a space press the SEARCH + button without selecting a letter.

Press the SEARCH - button to move back a space.

Press the CANCEL button once to delete a letter.

EDIT
MD R_

- 6** Repeat stages 4 and 5 until your title is entered.

EDIT
MD Relax_

- 7** Press the ENTER button when the title has been entered. The title will scroll across the display.

Repeat stages 1 to 7 to name other MD's or tracks.

EDIT
MD Relax

TOC
MD 13Tr 62:41

Deleting a track from an MD

You can delete a track from an MD without any danger of effecting other tracks.

- 1** Press the CD/MD button until MD shows in the display.

Insert an MD as described on page 12.

This feature will NOT work with pre-recorded MD's or MD's on which the record protection tab is open (refer to page 9).

MD No Disc

- 2** Press the PLAY/PAUSE button to start playing your MD.
The track number and time will be displayed.

Turn the CONTROL WHEEL left or right or press the SKIP + or - buttons on the remote control to play the track you wish to delete.

TRACK
MD ▶ 1 0:03

- 3** Press the EDIT button until the track number and DEL? are displayed.

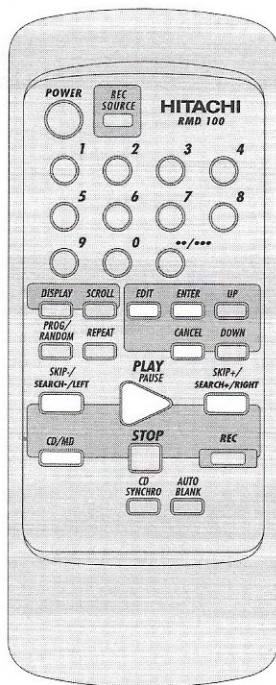
The track is deleted.

EDIT TRACK
MD ▶ 12 Del ?

- 4** Press the ENTER button to delete the track.
COMPLETE appears in the display.

All the tracks after the deleted track now move forward one track. e.g. you delete track 4 and track 5 moves to 4, track 6 moves to 5 etc.....

TOC
MD ▶ Complete



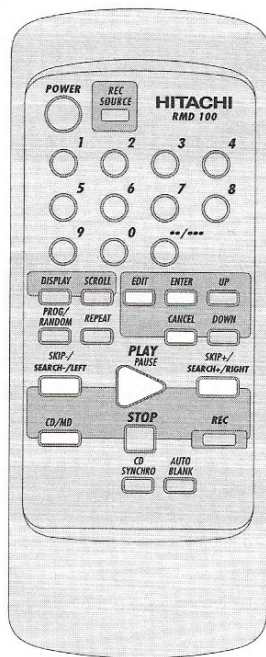
Moving a tracks position on an MD

You can move a track from one number to another with the move function.

- 1 Press the CD/MD button until MD shows in the display.

Insert an MD as described on page 12.

This feature will NOT work with pre-recorded MD's or MD's on which the record protection tab is open (refer to page 9).



- 2 Press the PLAY/PAUSE button to start playing your MD.
The track number and time will be displayed.

Turn the CONTROL WHEEL left or right or press the SKIP + or - buttons on the remote control to play the track you wish to move.



Press the EDIT button until MOVE ? appears in the display.

- 3 Press the ENTER button.
The display will show the current track position on the left and the new position flashing on the right.



Turn the CONTROL WHEEL left or right or press the SKIP + or - buttons on the remote control to select the new track position.

- 4 Press the ENTER button to move the track.
COMPLETE appears in the display.



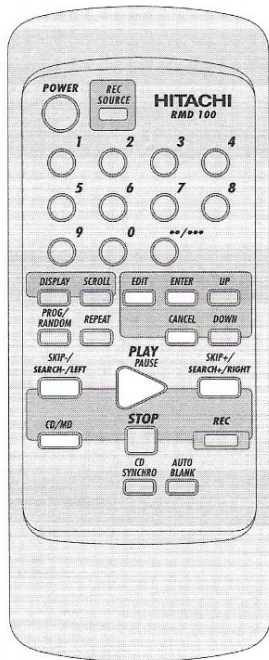
The track is moved.

When a track moves, it moves the track it replaces back one position. e.g. you move track 6 to track position 11 - the old track 11 now becomes track 10 etc.....

Press the CANCEL button at any stage to exit the feature.

Dividing one track into 2 tracks on a MiniDisc

You can divide or split a track into 2 tracks. The divide can be set for any point in a track.



- 1 Press the CD/MD button until MD shows in the display.
Insert a MD as described on page 12.

This feature will NOT work with pre-recorded MD's or MD's on which the record protection tab is open (refer to page 9).

Press the PLAY/PAUSE button to start playing your MD.
The track number and time will be displayed.

- 2 Turn the CONTROL WHEEL left or right or press the SKIP + or - buttons on the remote control to play the track you wish to divide.

Press and hold the SEARCH + or - buttons to find the point in the track where you wish to divide it.

Press the PAUSE button.

- 3 Press the EDIT button until the track number and DIVIDE? are displayed.

Press the ENTER button. REHEARSAL and POSITION OK? will appear in the display alternately and a demonstration will be played of how the old track will end and the new track begin.

This will play repeatedly until enter is pressed.

- 4 Turn the CONTROL WHEEL left or right or press the SEARCH buttons on the remote to edit the position of the divide.

TRACK
MD ▶ 10 2:45

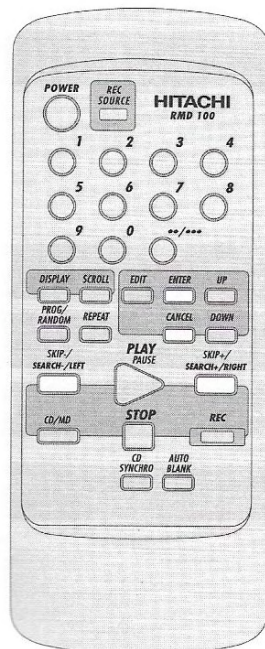
TRACK
MD " 10 2:45

EDIT TRACK
MD "10 Divide ?

EDIT
MD ▶ Rehearsal

EDIT
MD ▶ Position ok?

EDIT
MD ▶ --- 4



- 5** This position can be edited between a range of -120 and +120 steps.

1 step = 0.06 second

You can alter the position of the divide by a total time of about 7.2 seconds either side of the divide.

EDIT
MD ▶ +120

EDIT
MD ▶ -120

- 6** The position of the divide can be changed repeatedly and you will hear how the old track will end and the new track will start.

EDIT
MD ▶ ... 4

- 7** When you are satisfied with the position of the divide press the ENTER button to confirm the divide. *COMPLETE* appears in the display.

TOC
MD ▶ Complete

The track is divided.

e.g.. If track 4 was 3 minutes long and it was divided after 1 minute 20 seconds, the new track 5 would be the remaining 1 minute and 40 seconds.

Press the CANCEL button at any stage to exit the feature.

Linking 2 tracks on an MD

You can link 2 adjacent tracks and remove the 3 second gap between them.

- 1 Press the CD/MD button until MD shows in the display.
Insert an MD as described on page 12.

This feature will NOT work with pre-recorded MD's or MD's on which the record protection tab is open (refer to page 9).

Press the PLAY/PAUSE button to start playing your MD.
The track number and time will be displayed.

- 2 Turn the CONTROL WHEEL left or right or press the SKIP + or - buttons on the remote control to play the track you wish to link.

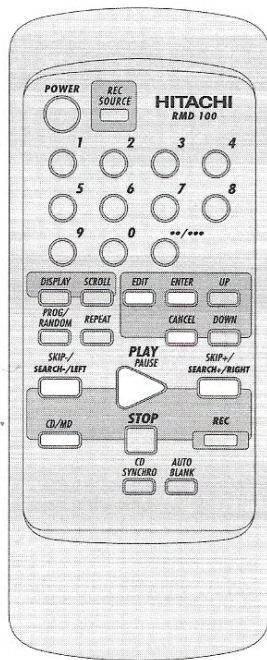
Always select the second of the tracks you wish to link.
e.g. if you want to link tracks 8 and 9, select track 9.

- 3 Press the EDIT button until the track number and LINK are displayed.

Press the ENTER button. REHEARSAL and TRACK OK? will appear alternately in the display and a demonstration will be played of how the two tracks will sound when linked.
This will play repeatedly until enter is pressed.

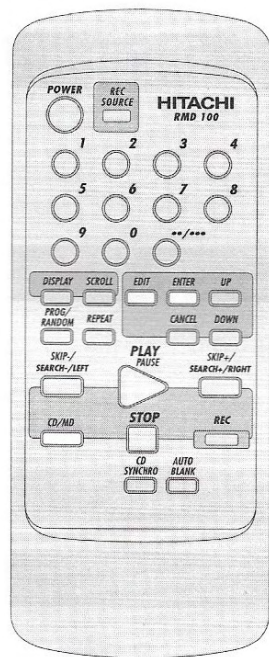
- 4 Press the ENTER button to link the tracks.
COMPLETE appears in the display.

The tracks are linked.



Deleting the MiniDisc title

You can delete a main title of the MiniDisc.



- 1 Press the CD/MD button until MD shows in the display.

Insert a MD as described on page 12.

This feature will NOT work with pre-recorded MD's or MD's on which the record protection tab is open (refer to page 9).

- 2 Press the EDIT button until NAME DEL? is displayed.

EDIT
MD Name Del ?

- 3 Press the ENTER button to delete the title.
COMPLETE will appear in the display.

TOC
MD Complete

The main MD title is deleted.

If you delete an item by mistake, use the UNDO function (page 34).

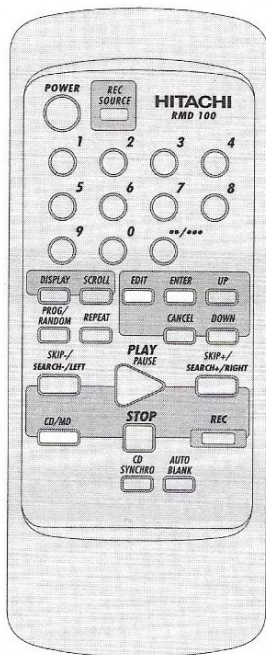
Deleting an entire MD

This feature will delete all the tracks, their titles and the MD main title from the MD.

- 1 Press the CD/MD button until MD shows in the display.

Insert a MD as described on page 12.

This feature will NOT work with pre-recorded MD's or MD's on which the record protection tab is open (refer to page 9).



- 2 Press the EDIT button until ALL DEL? is displayed.

EDIT
MD All Del ?

- 3 Press the ENTER button.
DEL OK? will appear in the display.

EDIT
MD Del ok ?

- 4 If you are sure you want to delete everything on the MD
press the ENTER button.
COMPLETE will appear in the display.

TOC
MD Complete

The MD is now blank.

TOC
MD Blank Disc

Using the Auto-blank feature

The AUTO-BLANK feature adds a longer pause between tracks when playing an MD or CD or pauses the MD or CD between tracks until you resume play.

- 1** Press the CD/MD button to select either CD or MD player.

Insert a CD or MD as described on page 10 or 12.



Press the PLAY/PAUSE button to start playing your CD or MD.
The track number and time will be displayed.

- 2** Press the AUTO-BLANK button on the remote control until the 'B' symbol appears in the display.

*When the end of a track is reached the CD or MD will pause for 3 seconds before the next track starts to play.
It helps to make a copy having an index.*



- 3** Press the AUTO-BLANK button on the remote control until the 'P' symbol appears in the display.

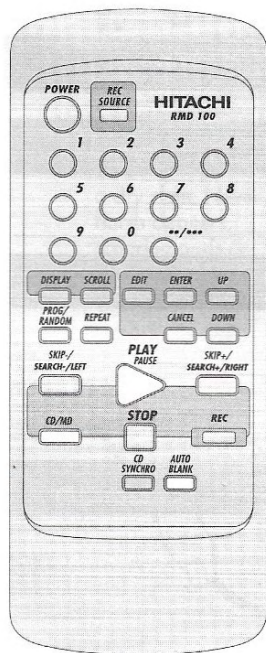
*When the end of a track is reached the CD or MD will pause until the PLAY/PAUSE button is pressed.
It helps to make one track copying.*



Press the PLAY/PAUSE button to start playing the next track.

- 4** Press the AUTO-BLANK button on the remote control until the 'B' or 'P' symbol disappears from the display.

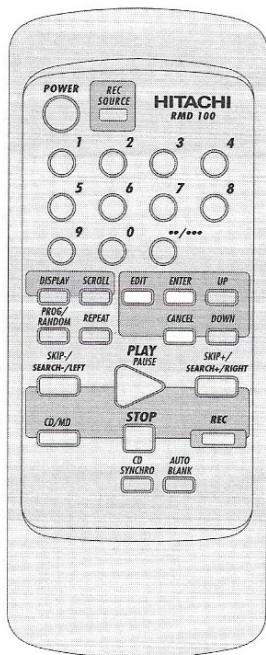
The AUTO-BLANK feature is cancelled.



Using the UNDO feature

The UNDO feature works like an undo feature in a computer programme. If you accidentally delete a track or entire MD you can undo the delete and restore the MD to how it was.

- 1 The UNDO feature must be used immediately after making a mistake, otherwise the information in the UNDO memory will be lost.



- 2 Press the EDIT button until UNDO ? appears in the display.

Press the ENTER button to attempt an UNDO.
UNDO and the feature you are undoing will appear in the display. e.g. UNDO DEL?

TOC
EDIT
MD Undo ?

TOC
EDIT
MD Undo Del ?

- 3 Press the ENTER button to UNDO.
COMPLETE appears in the display.

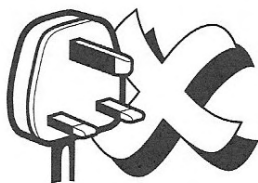
UNDO is complete.

TOC
MD Complete

- 4 If the mistake cannot be undone then CAN'T UNDO will be displayed.
This will probably appear if another feature has been used since the mistake was made.

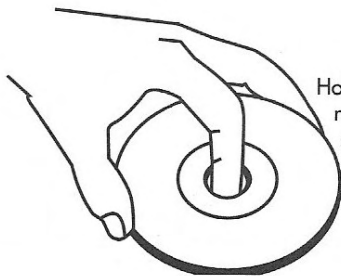
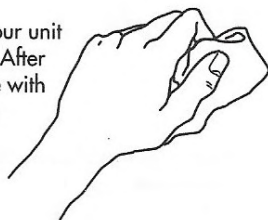
MD Can't Undo

Advice on CD care and cleaning

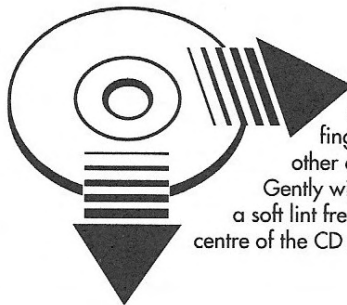


**Before cleaning
make sure your unit
is unplugged from
the mains power
supply.**

To clean the case of your unit
use a soft damp cloth. After
cleaning wipe the case with
a dry cloth. Never use
harsh cleaners,
scouring pads or
solvents.

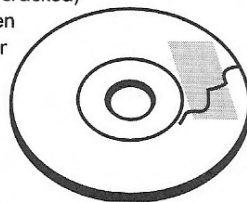


Hold CD so that you do
not touch the playing
side (the side with no
label or printing on
it).

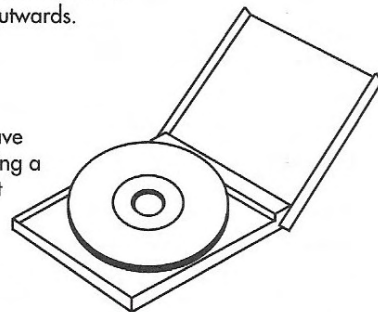


How to clean
the playing
side of a CD of
finger prints and
other dirty marks.
Gently wipe the CD with
a soft lint free cloth from the
centre of the CD outwards.

Never use a CD if it is cracked,
deformed or has been
repaired with tape or
adhesive.



When you have
finished playing a
CD, remove it
from the CD
player and
store it in its
protective.



CD fault finding guide

SYMPTOM	CAUSE	SOLUTION
A CD is loaded but it will not play.	Have you selected CD mode.	Press the CD/MD button to select the CD mode.
	Is the CD loaded correctly.	Load the CD label up.
	Is the CD dirty.	Clean the CD.
	Is the CD set on pause.	Press the PAUSE button to commence playback.
The CD skips.	The CD may be damaged or dirty.	Try to clean the CD.
	Does the unit vibrate.	Place the unit on a flat stable surface away from any vibrations.

Error messages in the display

Messages	Meaning
Blank Disc	A new (blank) or erased MD has been inserted.
Can't Undo	Undo function can not be used.
Can't Rec	Recording can not be performed while Reading TOC appears in loading MD.
Disc Error	The TOC is missing.
Impossible	An attempt was made to combine tracks while playing back the first track.
Mecha Error	<ul style="list-style-type: none">• The opening or closing of the CD-tray is not completed normally.• The loading or ejection of the MD is not completed normally.
Name Full	The titling capacity of the MD has reached its limit (about 1,700 characters).
No Disc	There is no disc in the unit.
Program Full	You try to store over the 19 programmes.
Protected	The disc is record protected.
Write Error	The writing of the REC or TOC cannot be performed.

Please visit your dealer if you require MiniDiscs and accessories.

It is an infringement of the Copyright, Designs and Patents Act 1956, 1988^{chapter 48} and the Performers Protection Act 1958-72 to copy Records, Pre-recorded Cassettes, Pre-recorded video tapes and compact discs or to re-record them in any form without permission of the Copyright owners.

MiniDisc fault finding guide

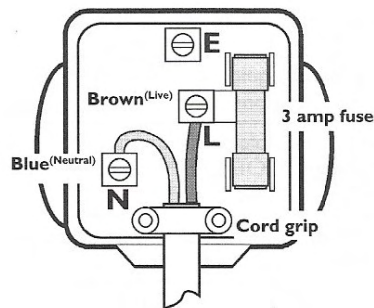
SYMPTOM

CAUSE

SOLUTION

The MiniDisc/CD unit does not work.	Is the unit switched on.	Plug the unit into the mains, switch on at the mains and press the standby button.
The MiniDisc cannot be heard.	Is the unit connected to an amplifier and speakers.	Connect the unit to an amplifier and speakers see page 6.
The remote control does not work or works erratically.	The batteries may be weak or exhausted.	Replace the batteries.
	The batteries may be placed in the remote control the wrong way around.	Check the polarity guidance inside the remote control battery compartment.
The MiniDisc will not work properly.	Does the display say 'BLANK DISC' followed by 'PROTECTED' when you try to use any of the features.	Close the record protection tab, if the display still shows the word 'PROTECTED' then the MiniDisc is faulty, replace the disc.
Cannot record onto a MiniDisc.	The disc may be full.	Delete some of or all the disc to make some room to record on.
	Is the word 'PROTECTED' displayed.	Eject the MiniDisc and close the record protection tab see page 9.
	Is a prerecorded disc inserted.	Insert a recordable MiniDisc.
	Is your recording source playing.	Press play on the recording source.
The MiniDisc does not work.	Have you pressed the CD/MD button.	Press the CD/MD button to select MD mode.
The MiniDisc/CD unit will not record from an external source.	Have you selected LINE REC.	Press the REC source button in rec pause mode to select LINE REC.
	Have you connected the external source correctly.	Connect the MiniDisc/CD unit to an external source see pages 7-8.

Wiring instructions



The wires in your hi-fi mains lead are coloured in accordance with the following:-

The wire which is coloured **Blue** must be connected to the terminal in the plug which is marked with the letter **N** or coloured **Black**.

The wire which is coloured **Brown** must be connected to the terminal in the plug which is marked with the letter **L** or coloured **Red**.

No connection must be made to the earth terminal of the plug.

You must use a **13 amp plug** (BS 1363), and fit a **3 amp fuse** (BS 1362). If any other type of plug is used a **3 amp fuse** must be fitted, either in the plug, adaptor or at the distribution board.

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CD player

System:	Compact Disc digital audio system
Laser:	Semiconductor laser
Frequency response:	20 to 20,000 Hz
S/N (Signal-to-noise) ratio:	80dB
Wow and flutter:	Below measurable limit

MD recorder

System:	MiniDisc digital audio system
Recording system:	Magnetic field modulation overwrite system
Laser:	Semiconductor laser
Recording time	74 minutes max. (74 minutes MiniDisc)
Error correction	Advanced Cross Interleave Reed Solomon Code (ACIRC)
Sampling frequency:	44.1 kHz
Coding	Adaptive Transform Acoustic Coding (ATRAC)
Modulation system:	EFM (Eight-to-Fourteen Modulation)
Number of channels:	2 channels (stereo)
Frequency response:	20 to 20,000 Hz
S/N (Signal-to-noise) ratio:	60 dB or more (during playback)
Wow and flutter:	Below measurable limit

General

Power source:	AC230V ~ 50Hz
Power consumption:	14W (standby 4W)
Input Level:	1.5V, 47k Ω
Output Level:	2.2V, 1k Ω
Weight:	4.5 kg
Dimensions:	430 (W) x 87 (H) x 257 (D) mm

Accessory

Remote control	1 piece
Battery	2 pieces

